

## EASY CHECK-OUT WITH ENHANCED SECURITY

### Abstract of the Disclosure

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This invention relates to a contactless label chipcard including payment and identification information and a  
5 check-out system including a contactless reader for reading and updating payment information stored in that label chipcard. According to this invention all articles offered in a store are labeled with a contactless label chipcard. In the memory of the label chipcard at least product  
10 identification information (number) and payment status information (paid or no paid) are stored. In a further embodiment of the present invention the chipcard stores additionally product price information as well an authentication key. For carry out that invention the  
15 check-out system requires an additional computer program which executes the communication between the label chipcard and the check-out system inclusively the payment. Passing the check-out system with the cart in which articles with attached label chipcards are placed a communication between  
20 contactless label chipcard and checkout system will be established. Preferably the communication is established over a radio field generated by a generator of the check-out system. Based on the information received from the label chipcard, the check-out system generates the invoice or bill  
25 and the payment status information for each article will be updated into PAID. Articles having the payment status not paid will be detected by a warning system which is part of the check-out system.

This invention allows buying articles without recording them manually by the cashier. This is more convenient for the customer as well the cashier. Furthermore, the customer does not have to unpack his cart and put all articles from the cart onto belt and back in his cart after the articles are scanned. Due to the faster processing, less cashier systems and less personnel are necessary. In the case the customer scans the articles himself, the invention will be used to check the accuracy of the list scanned by the customer.

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